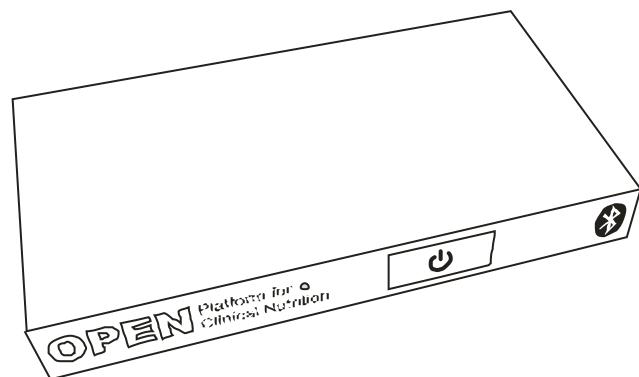


Bluetooth kitchen scale

User manual



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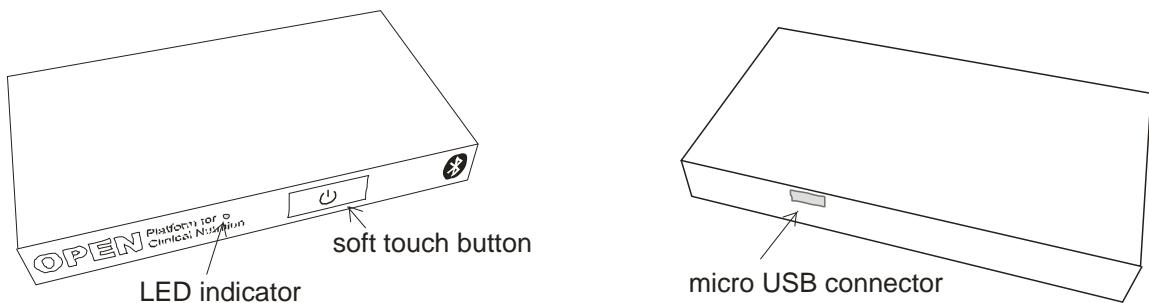
Parts:

- scale with Bluetooth module
- USB cable with micro connector for battery charging

Requirements:

- Android/iOS device with the BTscale application, or
- computer with Bluetooth connection, web browser, and internet access

Description:



LED indicator:

- blue (blinking) indicates that the scale is turned on, but without connection
- blue (stable) indicated that Bluetooth connection is established
- green (blinks) when data is transmitted through Bluetooth connection
- red (stable) indicates the battery charging

Soft touch button (□)

- tap the button to turn on the scale
- while turned on tap the button to set tare (due to small size of the scale a tare is typically set through the BTscale application)
 - o put plate onto the scale, tap button to set tare, then place ingredients/food to weight the net weight
 - o repeat the procedure for each ingredient/food that needs to be weighed separately
- tap and hold the button for 3 seconds to turn off the scale

Micro USB connector (either type A or B) is for battery charging only, and is not intended for any data transmission.

Before the first usage on each device (phone, computer...):

- the device and the scale (its sample name is "SCALE-00x") have to be paired through the standard Bluetooth pairing procedure (PIN code is "1234")

Usage:

- put scale onto a flat surface
- turn it on by tapping the soft touch button (LED indicator turns on)
- start the Android/iOS BTscale application and connect to Bluetooth scale
- put the measured item onto the scale
- the weighted value is shown on the phone display
- the units of the weighted value can be changed by the BTscale application (default is g; also available kg, oz, lb)

Precautions:

- the scale is not water tight and must never be submerged in water or placed into the dishwasher
- the scale is made of plastic (do not put on it hot items above 60°C / 140°F)

Scale turns off automatically 90 seconds after the last usage (button tap or weight change).

If battery is low (indication on phone display, or lack of LED indication after tapping the soft touch button):

- use USB cable with micro connector to connect the scale with USB port, or
- use an appropriate phone charger with micro USB connector

Completely empty battery is fully charged in about 30 minutes (charging stops when the battery is full).

Scale characteristics:

- 4 force sensors implemented into scale legs
- embedded Bluetooth module
- maximal weight load: 5000 g (11 lb)
- accuracy: 1 g (0.001 lb)
- battery capacity: 450 mAh (for approximately 10 working hours)
- size (LxWxH): 114 x 63 x 16 mm
- weight: 99 g
- no user serviceable parts (if not working please return to address below)



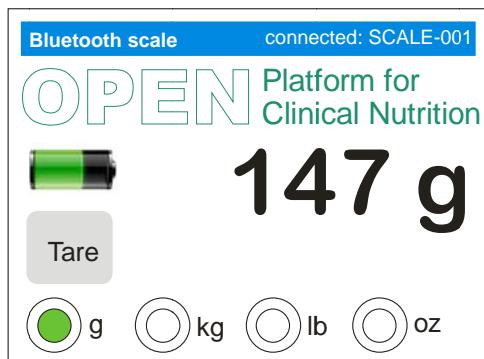
BTscale – Android application

Installation:

- download BTscale.apk from <http://csd.ijs.si/applications/BTscale> to your Android device
- install BTscale.apk on your device

Usage:

- open “Bluetooth scale” application on your Android device
- tap menu and choose “Connect device”
- chose the scale (i.e., “SCALE-00x”) from the list of paired devices
- Android device will connect to the Bluetooth scale
- when the measured weight on the scale is stable the measured value is displayed on the Android device
- tap button “Tare” to reset the displayed value to “0”
- tap radio buttons to change the unit (g, kg, lb, oz) of presented value
- while the scale battery is normal the icon is present
- when the scale battery gets low the icon is present



Web application - Open Platform for Clinical Nutrition (<http://opkp.si>):

Before the scale can communicate with the OPEN, it must be paired with the computer. The pairing process needs to be done only once.

Pairing the scale with your Mac

- Turn Bluetooth on.
- Go to System Preferences > Bluetooth. Click the 'Set up New Device' button (+) to begin the setup process. The Bluetooth Setup Assistant should launch.
- Power the scale on.
- Select the scale entry from the list then click 'Continue'.
- Click 'Passcode options' and choose the option 'Use a specific passcode'. Enter the passcode '1234' and click 'OK' then 'Continue' to pair the device.
- After a short moment a message indicating success should be displayed. If not, repeat the pairing process checking the passcode option carefully.

Pairing the scale with your Windows

- Turn Bluetooth on.
- Go to Control Panel > Printers and Other Hardware > Bluetooth Devices. Ensure the 'Devices' tab is active at the top left of the window. Click the 'Add' button at the bottom of the list to begin the setup process.
- Power the scale on.
- Tick the 'My device is set up and ready to be found' checkbox on screen. Click 'Next' to search for Bluetooth devices in range. Select the scale entry from the list then click 'Next'.
- Now, choose the option 'Use the passkey found in documentation'. Enter the passkey '1234' and click 'Next' to pair the device.
- After a short moment a message indicating success should be displayed. If not, repeat the pairing process checking the passkey option carefully.

Food weight logging by the scale

1. Log in (<http://opkp.si>)
2. Allow opkp.si applets to access your computer



3. Click 'My food diary' or 'My diet planner'
4. Select a meal
5. Log foods
6. Power on the scale
7. Put a plate on the scale and tap the button 'Tare' to reset the displayed value to '0'
8. Put the first food item on the plate
9. Find this food item in the meal and click on the scale icon displayed right to the weight field
10. Select the scale in the list of paired devices (this step may take few seconds)
11. Replace the food item with the next one
12. Log its weight by clicking the scale icon displayed right to its weight field
13. Repeat steps 11.-12. until all foods are weighed
14. Save the meal

Scale by:



OPEN Platform for
Clinical Nutrition